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28112 7590 05/03/2004

GEORGE O. SAILE & ASSOCIATES
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| | |
|------------------------|--------------------|
| Bonnie E. Boyle | (Depositor's name) |
| <i>Bonnie Boyle</i> | (Signature) |
| 08/02/2004 | (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/587,465 | 06/05/2000 | Jung-Cheng Lin | TSMC99-700 | 7855 |

TITLE OF INVENTION: METHOD OF FORMING MULTILAYER DIFFUSION BARRIER FOR COPPER INTERCONNECTIONS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1330 | \$0 | \$1330 | 08/03/2004 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|----------------|----------|----------------|
| SARKAR, ASOK K | 2829 | 438-627000 |

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1 **Haynes and Boone, LLP**

2 _____

3 _____

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(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Taiwan Semiconductor Manufacturing Company, Ltd. Hsin-Chu, Taiwan, R. O. C.

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

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(Authorized Signature) *Timothy E. Blinn* (Date) *8/2/04*

Timothy E. Blinn, #50,925

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